

FIGURE 2

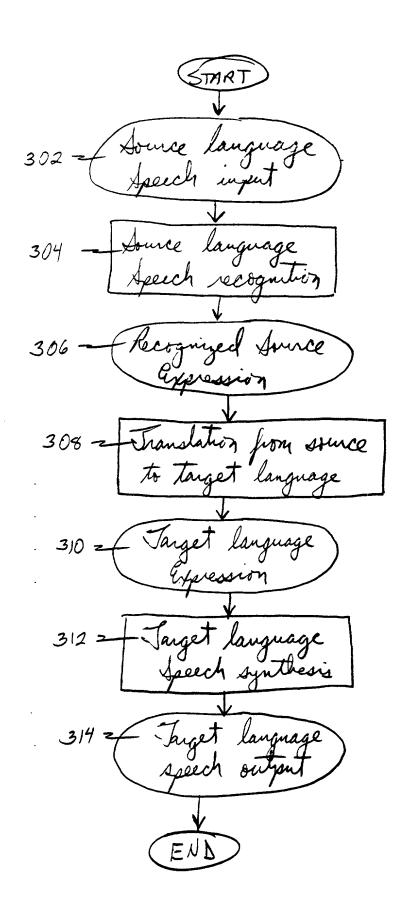


FIGURE 3

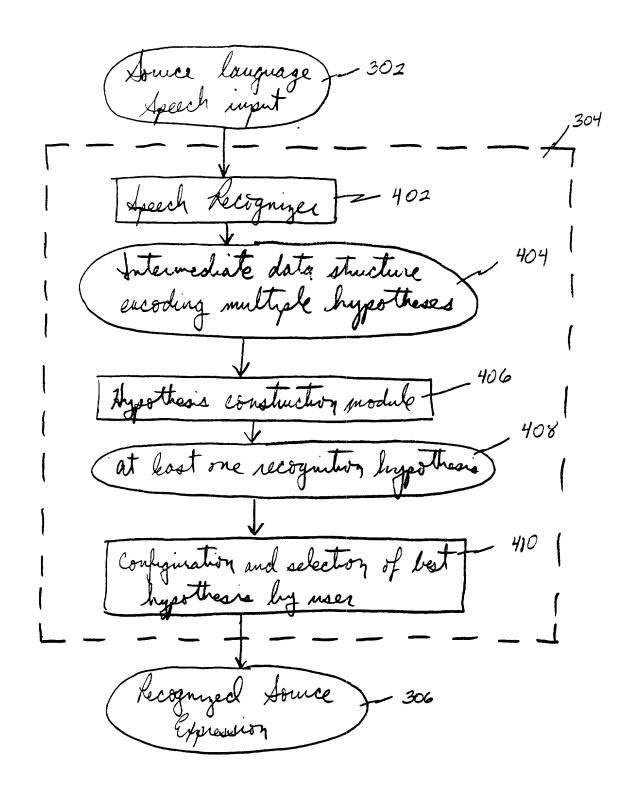


FIGURE 4

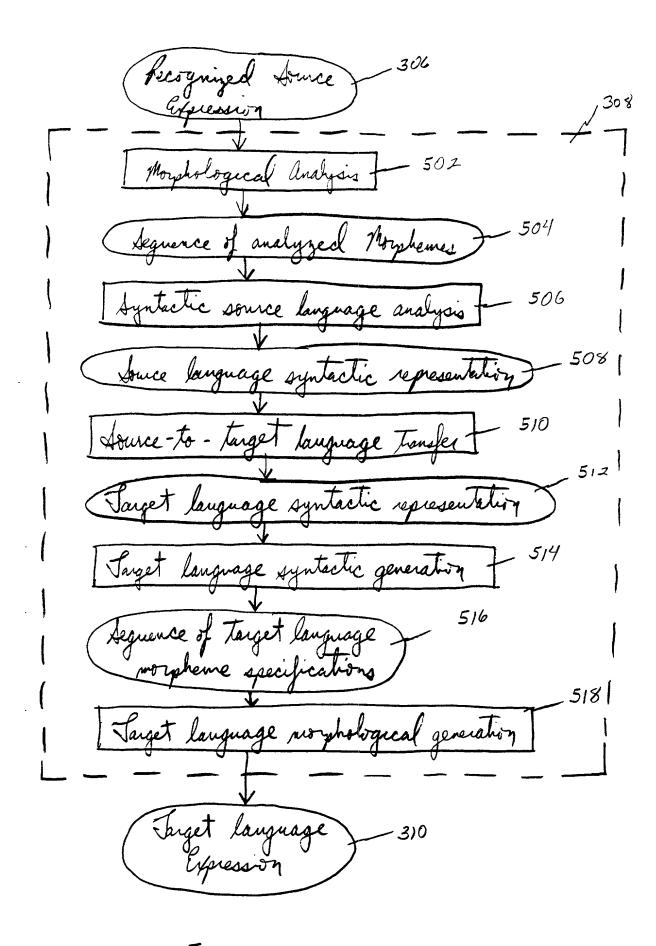
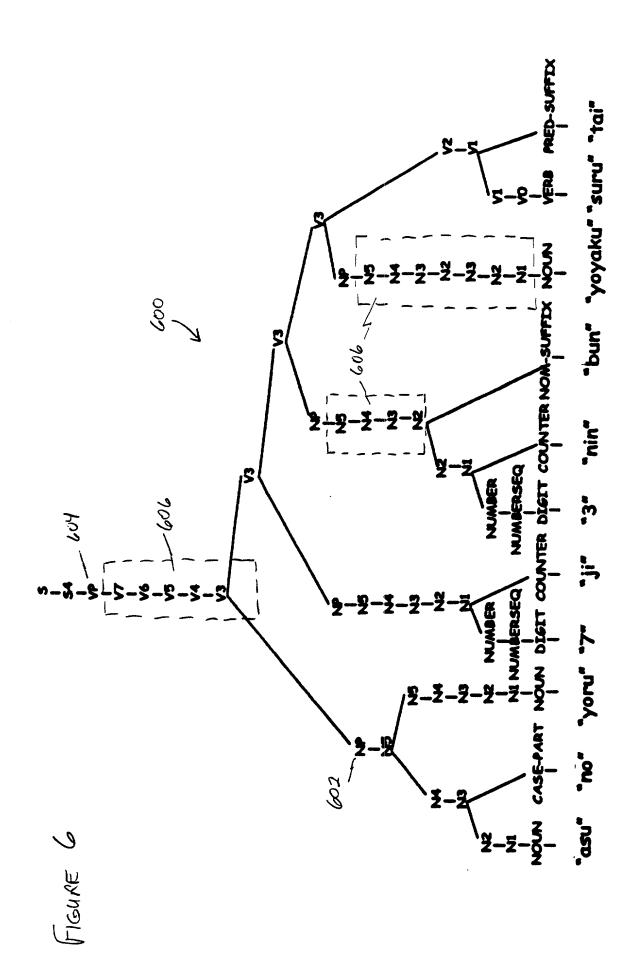


FIGURE 5



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CAT HEAD CASE-PART	[ROOT	[NUM-STR	NUM-ST	IX [ROOT	[ROOT		
a Z	CAT HEAD	CAT HEAD ROOT	CAT HEAD	NOM-SUFFIX	CAT HEAD	L [ROOT	
a Z		∆ Ž	<u>a</u>		SAHEN-NP	CAT HEAD	T 'PE
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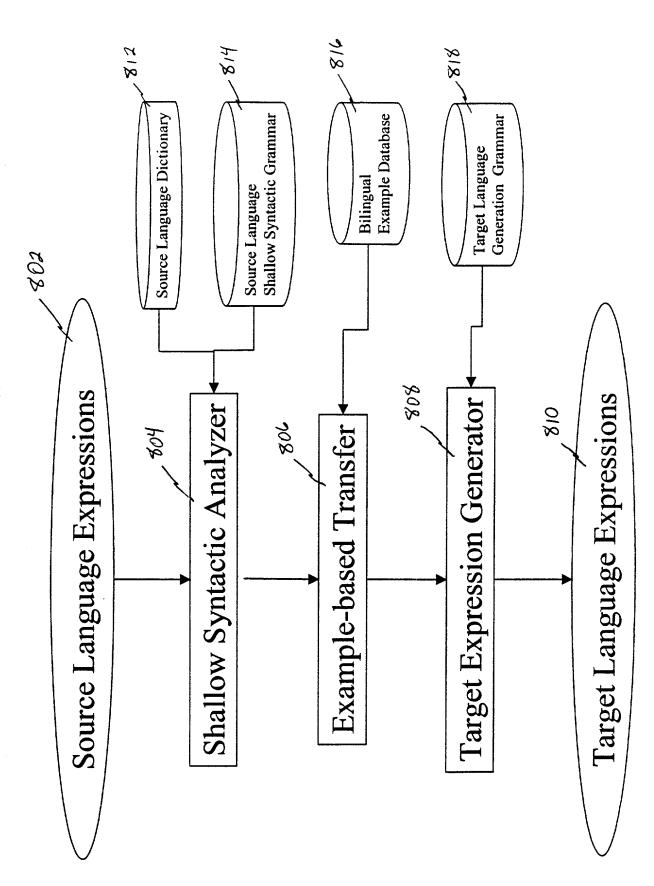


FIGURE 8

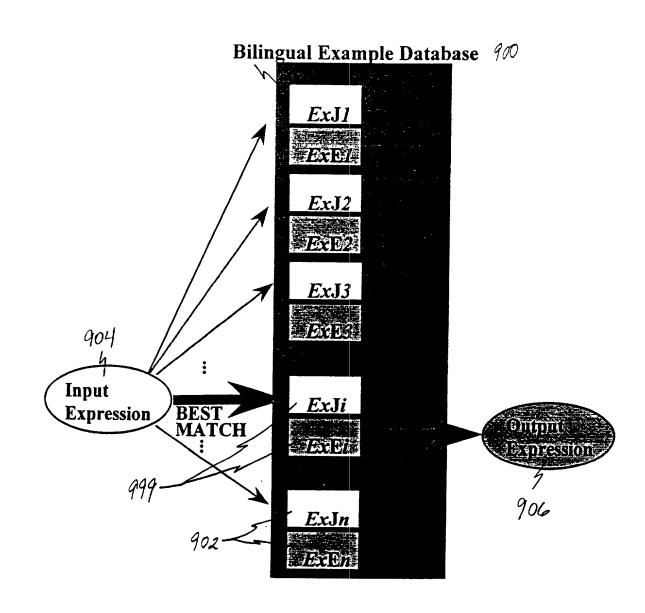
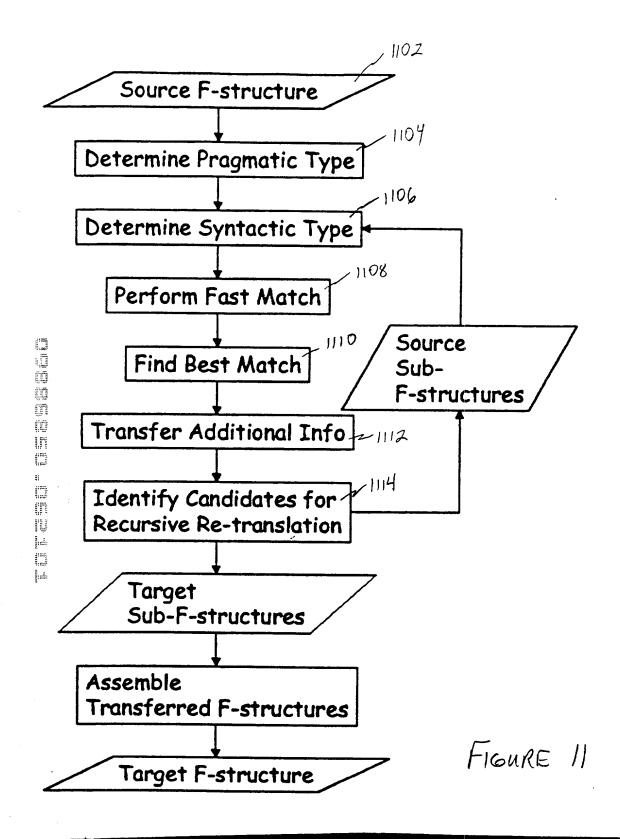
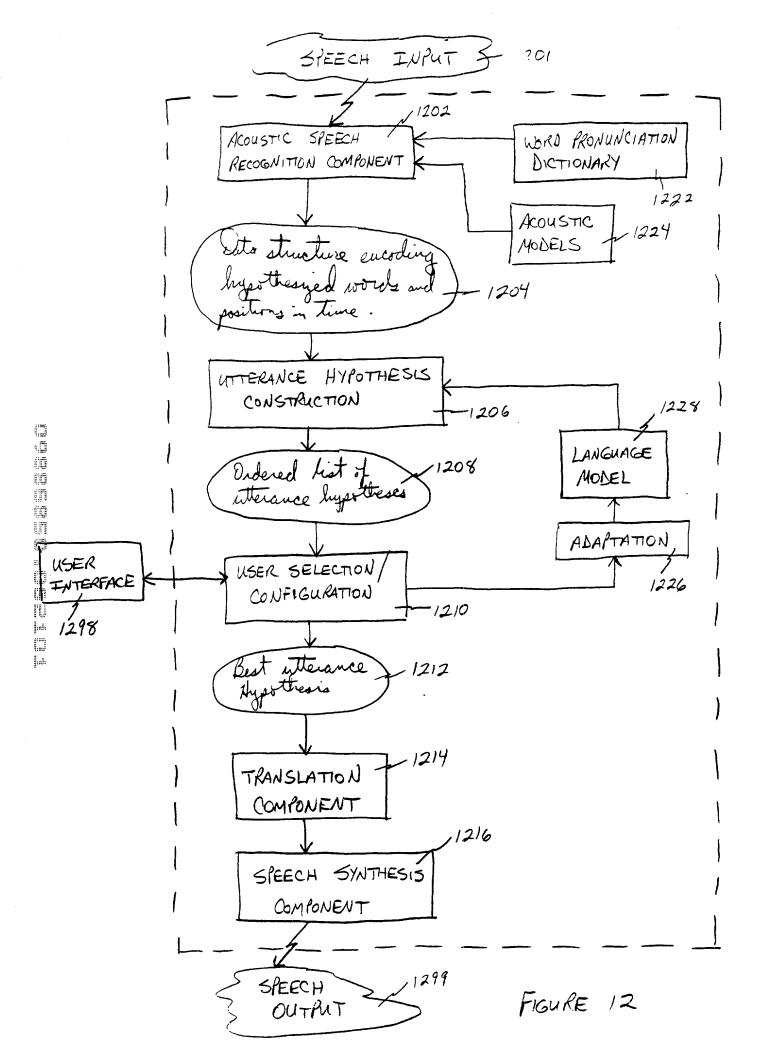
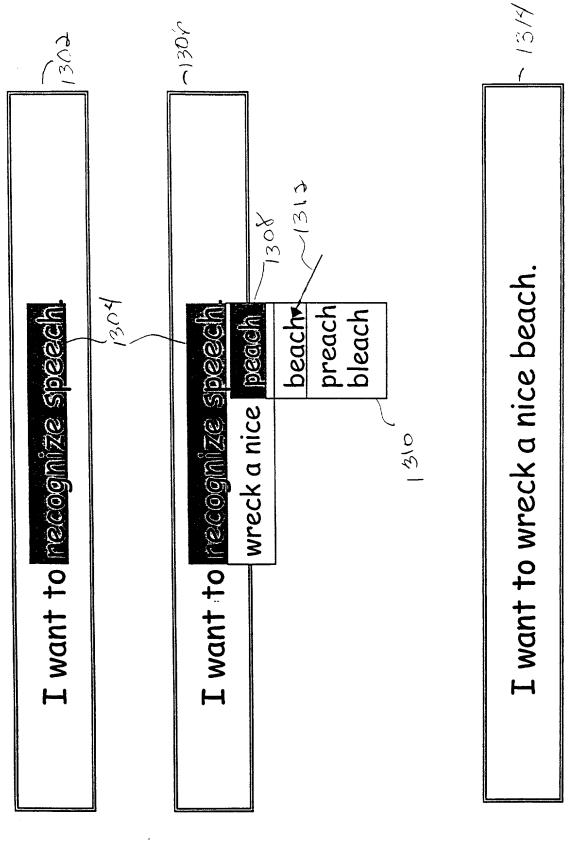


FIGURE 9

FIGURE 10







OK (cance)

I want to recognize speech. $\sqrt{4c4}$ 私は音声を認識したい

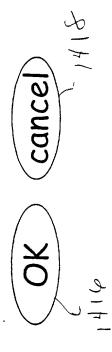
It want to wreck a mice beach.

私は素敵なビーチを破壊したい

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I want to wreck a nice beach. 和は素敵なビーチを破壊したい

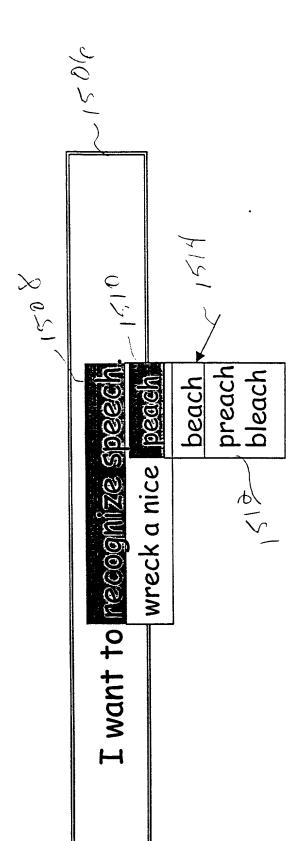


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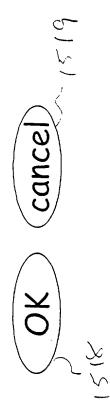
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I want to recognize speech.

私は音声を認識したい



I want to wreck a nice beach. 私は素敵なビーチを破壊したい



I want to recognize speech.

私は音声を認識したい

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"I would like to understand speech"

I want to wreck a nice peach.

"I would like to destroy a good peach" 私は素敵な桃を破壊したい

It wannin the wirrelak a milae beaath.

私は素敵なビーチを破壊したい

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150 × "I would like to destroy a good beach"

I want to wreck a nice beach.

1610

私は素敵なビーチを破壊したい "I would like to destroy a good beach."

cance

I want to recognize speech. 私は音声を認識したい "I would like to understand speech."

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I want to recognize speech

wreck a nice peach beach preach

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I want to wreck a nice beach.

私は素敵なビーチを破壊したい "I would like to destroy a good beach." Car

cance

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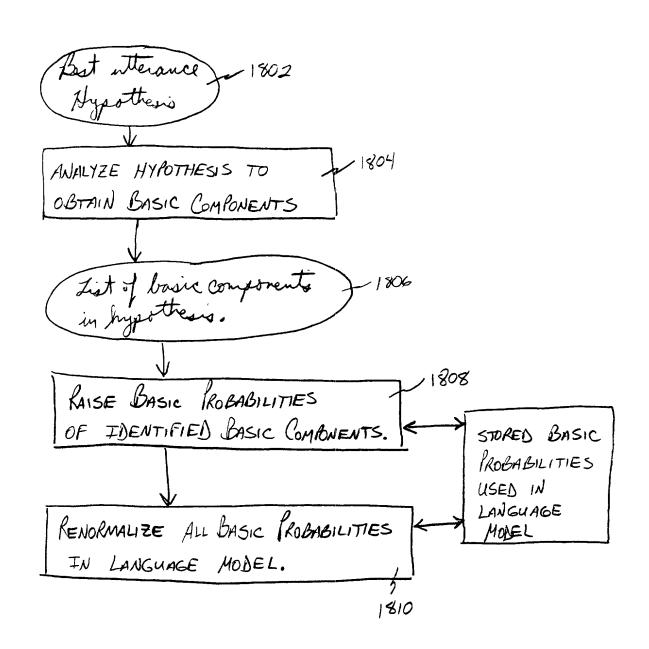


FIGURE 18



FIGURE 19

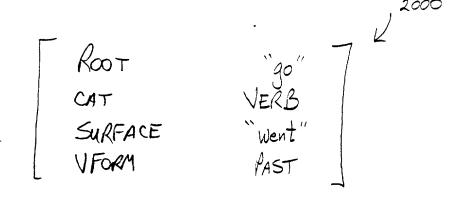
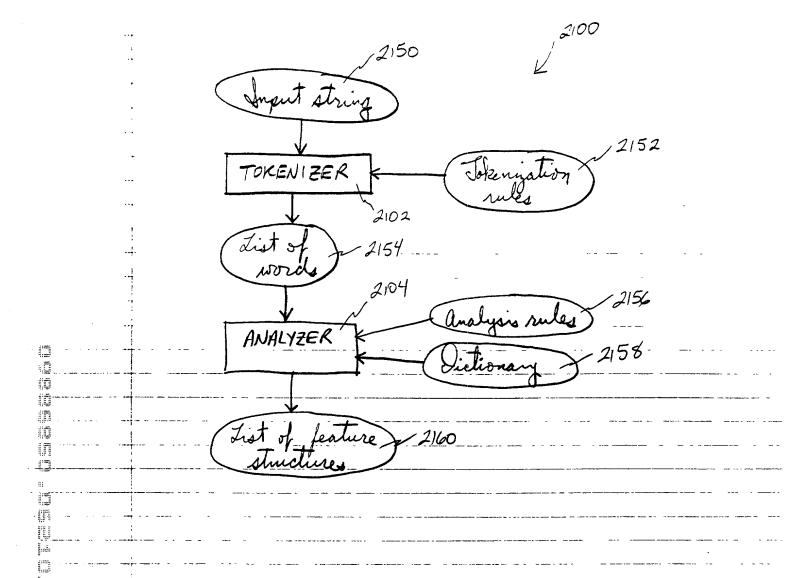


FIGURE 20



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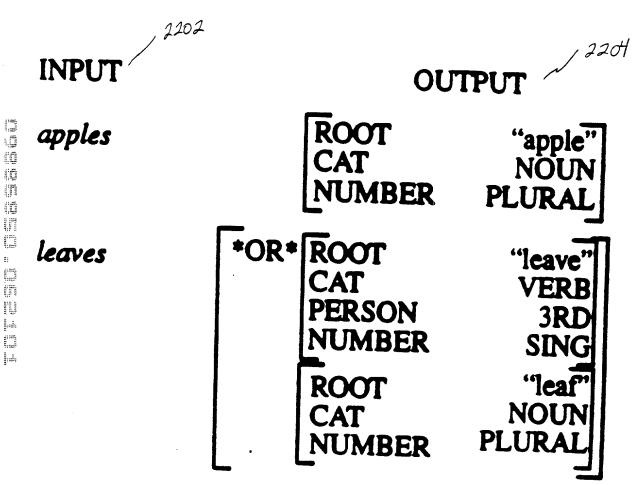


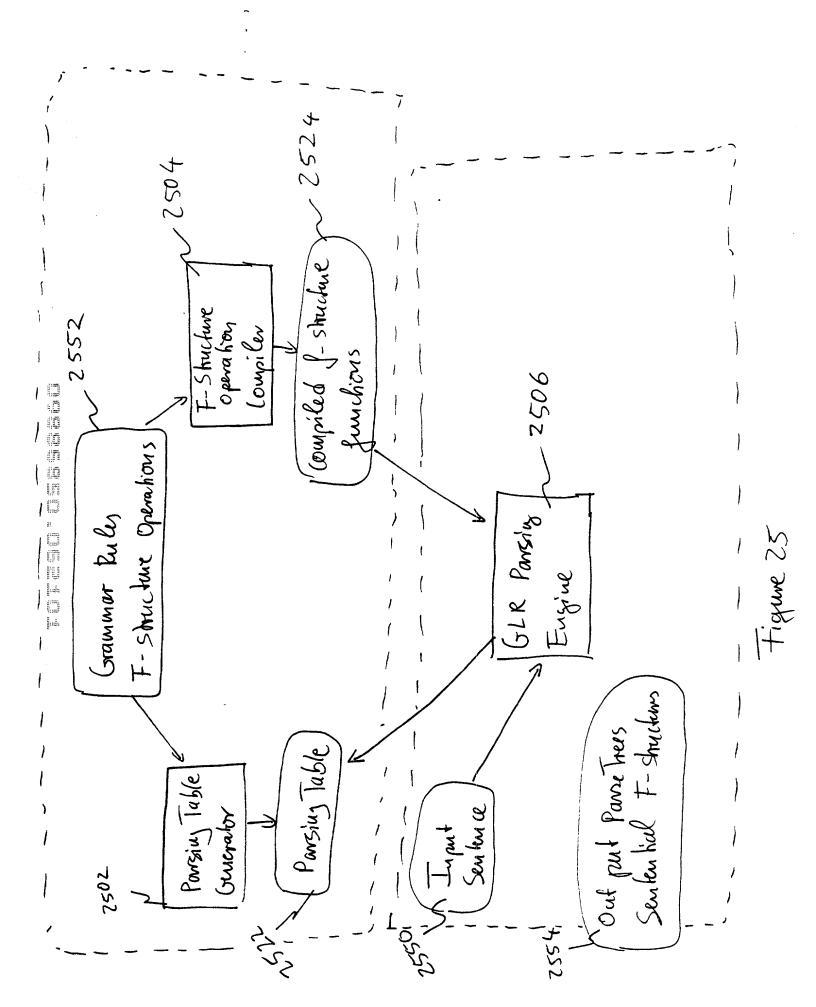
FIGURE 22

1302					
Inflection Type	Feature to trigger Generator or for Analyzer to create				
past-tense form of verbs	(VFORM PAST)				
past participle form of verbs	(VFORM PAST-PART)				
present participle form of verbs	(VFORM PRES-PART)				
present-tense form of verbs	(VFORM PRES)				
present-tense 1st-person singular form of verbs	(VFORM PRES)(PERSON 1)(NUM SING)				
present-tense 3rd-person singular form of verbs	(VFORM PRES) (PERSON 3)(NUM SING)				
past-tense 1st-person singular form of verbs	(VFORM PAST)(PERSON 1)(NUM SING)				
past-tense 3rd-person singular form of verbs	(VFORM PAST)(PERSON 3)(NUM SING)				
comparative form of adjectives/adverbs	(AFORM COMP)				
superlative form of adjectives/adverbs	(AFORM SUPER)				
adverbial form of adjectives	(ADVERBIAL +)				
plural form of nouns	(NUM PLURAL)				
genitive form of nouns	(CASE GEN)				

FIGURE 23

2402

Feature-Value Pair	Inflection Rules Applicable	Examples	Notes
CONS-DBL +	present-participle (VERB), past-tense (VERB), past participle (VERB), comparative (ADJ/ADV), superlative (ADJ/ADV)	"running", "submitted", "bigger"	Double final consonant and apply appropriate default rule. If the final consonant is "k", change it into "ck" instead of "kk".
Y-TO-I +	past-tense (VERB), past-participle (VERB), present-tense 3rd-person singular (VERB), plural (NOUN), comparative (ADJ/ADV), superlative (ADJ/ADV)	"studied", "studies", "candies", "tidier", "tidiest"	Change the final "y" to "i" and apply appropriate default rule.
F-TO-V +	plural (NOUN)	"leaves", "thieves"	Change the final "f" to "v" and apply appropriate default rule.
FE-TO-VE +	plural (NOUN)	"knives", "wives"	Change the final "fe" to "ve" and apply appropriate default rule.
AD-INFL +	comparative (ADJ/ADV), superlative (ADJ/ADV)	"faster", "fastest"	Generate inflected forms only if this feature exists. Otherwise, use "more"/"most" instead.
NO-COMP-SUPER +	comparative (ADJ/ADV), superlative (ADJ/ADV)	"right", "wrong"	Do not form a comparative or superlative if this feature exists.
ADJ-TO-ADV +	adverbial (ADJ)	"kindly", "greatly"	Generate adverbial form only if this feature exists.
ZERO-PLURAL +	plural (NOUN)	"love"	Do not form a plural if this feature exists
ZERO-SING +	plural (NOUN)	"trousers"	Always treat the word as plural. Do not use a singular determiner, etc.



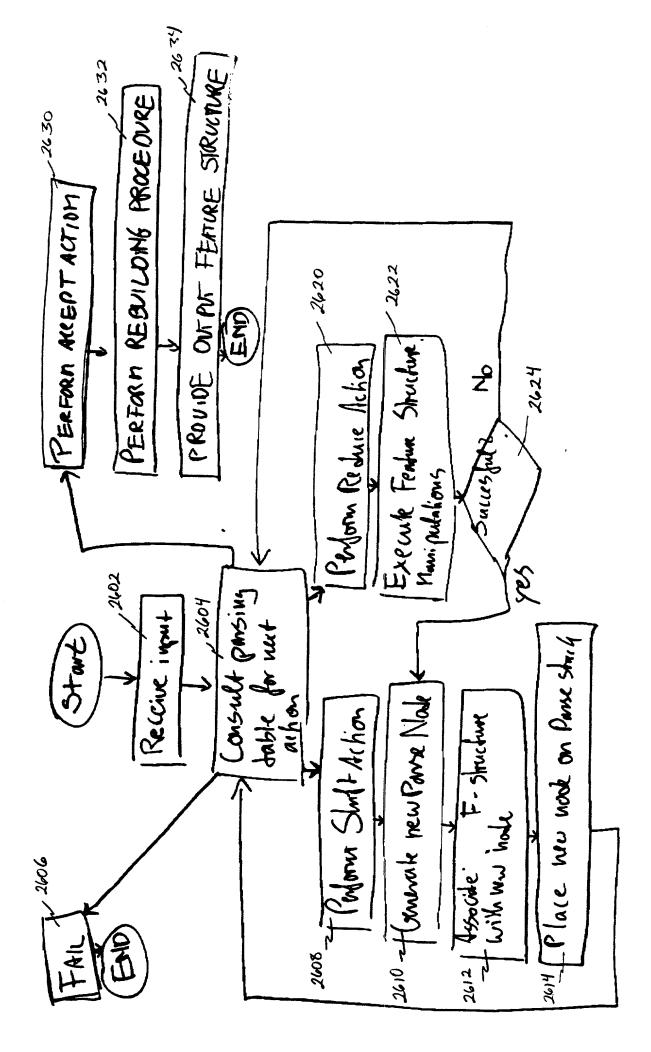


FIGURE 26

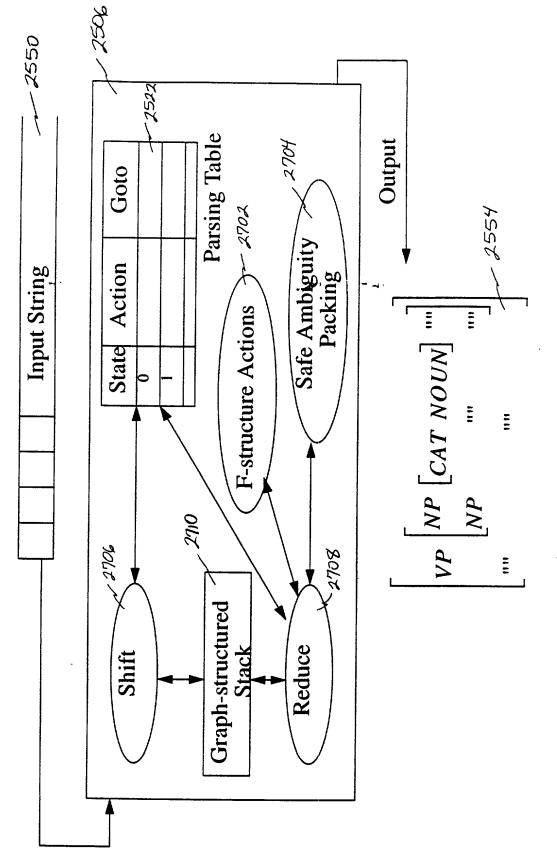


FIGURE 27